Mert Çetin

SOFTWARE ENGINEERING STUDENT

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PROFILE

> Computers have been a constant in my life since childhood — I wrote my first lines of code in 8th grade and never looked back. Now a third-year Software Engineering student, I build full-stack web apps, multiplayer game systems, and anything else that catches my curiosity.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Java, C#, Luau
Frameworks & Libraries	React, NestJS, Socket.io, Fabric API
Databases & ORM	MongoDB, Prisma ORM
Tools	Git, GitHub, Postman, VS Code, Visual Studio, Roblox Studio, Node.js

EDUCATION

Alparslan Türkeş University of Science and Technology GPA 3.98 / 4.00 — 2024 – Present

B.S. in Software Engineering — Junior (3rd Year)

EXPERIENCE

Intern at 99Byte Software — July 2026

TypeScript · NestJS · Git

- Designed and developed a backend service using **NestJS** that aggregated data from multiple financial APIs into a unified interface, consolidating disparate data sources under a single structured endpoint.
- Leveraged AI agents and structured context files to accelerate development across a modular NestJS codebase.

HIGHLIGHTED PROJECTS

Merge Weapons — Multiplayer Idle Combat Game (Code Only) — July 2026 - August 2026

Luau · Roblox Studio

- Designed and implemented a fully **server-authoritative** multiplayer game on Roblox with a complete combat, inventory, and stage progression system; the client never resolves damage, drops, or inventory changes.
- Engineered all major systems as **registry-driven, data-addable architectures** with no central branching logic, and applied performance optimizations including client interpolation, idle stage culling, and batched network replication.

Real-Time Multiplayer Battleship Game — May 2026 - July 2026

Full-Stack Web Application

- Engineered a modular architecture using **React** for the client-side and **NestJS** for the server-side.
- Integrated **Socket.io** for low-latency player matchmaking, game room management, and bidirectional move synchronization.
- Designed data modeling and secure session management using **MongoDB** with **Prisma ORM**.

Code4Innovation AYBU — Security Analysis (External contributor) — May 2026

JavaScript · Postman

- Identified and reported multiple API vulnerabilities including privilege escalation through unauthenticated API endpoints in a web application under active development using **JavaScript** and **Postman**.

LANGUAGES

Turkish	Native
English	B2 / Upper-Intermediate

OTHER

- Student Representative — Dept. of Software Engineering, Alparslan Türkeş University (2025–Present)